Columbia LIGHTING

LEPC14

1' × 4' LED, e•poc® Full Distribution Luminaire

createchange

PROJECT INFORMATION

Project Name

Type

Catalog No.

Date

FEATURES

- High-performance LED luminaire
- Long-life, 60,000 hour LEDs at L80 (80% lumen maintenance) reduce life cycle maintenance costs
- Four LED color choices
- Multiple lumen packages (see Product Availability Table)
- Superior color consistency to a 3-step MacAdam ellipse and 82 CRI
- Full distribution provides controlled high angle light for visual comfort
- Lens design and materials provide uniform appearance without pixilation
- Unique frameless optical system and modular electrical system allow for easy LED module or driver replacement from below the ceiling
- Most configurations produce low W/ft² to meet the most restrictive lighting power density codes
- DLC® (DesignLights Consortium) Qualified - see www.designlights.org
- Five year warranty

CONSTRUCTION
Luminaire housing, end caps, and reflectors are die-formed code-gauge cold-rolled steel. Frameless optics system hinges from either side for easy access to lamps and electrical components. Mechanical light trap prevents light leaks. Latches are spring loaded.

FINISH
All visible parts are custom formulated soft, non-glare high-reflectance white powder coat finish, painted after fabrication.

SHIELDING
Lenses are high transmission extruded acrylic.

INSTALLATION
An access plate is furnished with each recessed fixture for fast wiring connections without the necessity to open the fixture or wireway.

CEILING COMPATIBILITY
Luminaire fits recessed exposed grid ceilings (G); four integral T-Bar clips standard. A flange kit (FK) option is available for recessed hard ceiling applications. Surface Mount (SM) option allows placement on ceiling plane. Cable Mount option (CM) allows suspension below ceiling plane. For information on compatibility with specific ceilings, or where plenum depth is a problem, contact your Hubbell Lighting representative.

CERTIFICATION
All luminaires are built to UL1598 and 2108 standards,and bear appropriate CSA labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM79, LM80 and TM21 standards. IC rating is standard on all models. DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org. UL Sanitation Approved.

WARRANTY
Five year warranty. (Terms and Conditions apply)

ORDERING INFORMATION

EXAMPLE LEPC14-35HLG-LL-EDU

LEPC 14 – – LL – – –

MODEL
- **LEPC** e•poc® LED Full Distribution Luminaire

SIZE
- **14** 1' × 4'

COLOR TEMP
- **30** 3000K
- **35** 3500K
- **40** 4000K
- **50** 5000K

LUMEN OUTPUT
- **LW** Low Watt
- **ML** Medium Lumen
- **HL** High Lumen
- **VL** Very High Lumen[1]
- **XL** Extra High Lumen[1]

(See Product Availability Table Below)

CEILING TYPE
- **G** Grid[2]
- **SM** Surface Mount
- **CM** Cable Mount[3]

SHIELDING
- **LL** Low Lamp Image

AIR FUNCTION
- **Blank** Static

DRIVER
- **E** Fixed Output
- **ED** 0-10V Dimming
- **ED1** 0-10V 1% Dimming
- **EDD** 0-10V Dim-to-Dark
- **ESD** Step Dimming[4]
- **LUTH** Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology[4]
- **LUT5** 5-Series EcoSystem LED driver[4]

VOLTAGE
- **U** 120V-277V
- **347** 347V

OPTIONS
- **ELL14** Emergency Battery Pack Installed, 1400 Lumens[1,5,6]
- **C388** 3-Wire Flex
- **C488** 4-Wire Flex
- **C588** 5-Wire Flex
- **GLR** Fast Blow Fuse
- **EOR** End of Row (SM/CM only)[7]
- **INT** Intermediate (SM/CM only)[7]
- **GTD** Generator Transfer Device[8]
- **CP** Chicago Plenum

[1] VL and XL not available with ELL14 or Lutron drivers.
[2] For drywall, order G with Flange Kit Accessory.
[3] Order hanger accessories separately.
[4] Not available with 347V.
[5] Not available with Surface Mount ceiling types.
[6] For compatibility with Dual-Lite LiteGear® inverters in lieu of installed Battery Pack, contact Hubbell Lighting Representative.
[7] Provides ends with wiring access for continuous row mounting.
[8] Not available with VL or XL Lumen Output.

Damp Label - standard

IC Rating - standard

ACCESSORIES (ORDER SEPARATELY)

FK14	1' ×4' Single Flange Kit
FKCR	Flange Kit Row Adaptor
CM48Y1SC3F-KIT	43" Cable Mount Kit for 1' wide CM ceiling type, 3-Wire Feed Cord

PRODUCT AVAILABILITY

SIZE	LUMEN PACKAGE	NOMINAL LUMENS	NOMINAL WATTS	LUMENS PER WATT
1'x4'	LW	4232-4508	35	125
	ML	4822-5135	41	122
	HL	5621-5987	49	117
	VL	7097-7558	60	122
	XL	8545-9101	76	116

Actual lumens will vary according to color temperature and other factors. For exact lumens and watts see specific photometric test(s).

Protected by US Patents D593,246; D617,487.
Additional US and Canada Patents Pending.
Specifications subject to change without notice.

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HUBBELL Lighting

PHOTOMETRIC DATA

Test **14.00550** Test Date **10/20/2014**

LUMINAIRE DATA

Luminaire	**LEPC14-40LWG-LL-EDU** **LEPC Epoc LED Full Distribution, Recessed Architectural** **1 x 4 LED with frosted linear prismed lenses**
Ballast	**D10CC55UNVTC**
Ballast Factor	**1.00**
Lamp	**LED**
Fixture Lumens	**4099**
Watts	**35.30**
Shielding Angle	**0° = 90 90° = 90**
Spacing Criterion	**0° = 1.19 90° = 1.24**
Luminous Opening in Feet	**Length: 3.88** **Width: 0.83** **Height: 0.00**

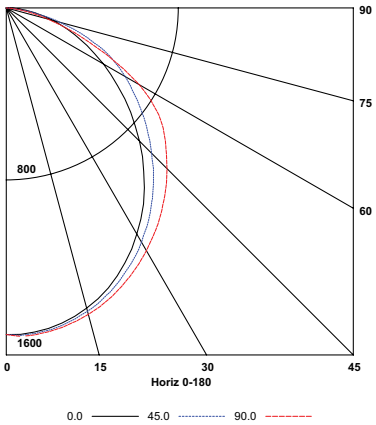
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1171	28.6	28.6
0-40	1899	46.3	46.3
0-60	3303	80.6	80.6
0-90	4099	100.0	100.0
0-180	4099	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	**100.0%**
Total Lumens per Watt	**116**
ANSI/IESNA RP-1-2004 COMPLIANCE	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$2.05 based on 3000 hrs. and $0.08 per KWH**

INDOOR CANDELA PLOT



Test **14.00549** Test Date **10/20/2014**

LUMINAIRE DATA

Luminaire	**LEPC14-40MLG-LL-EDU** **LEPC Epoc LED Full Distribution, Recessed Architectural** **1 x 4 LED with frosted linear prismed lenses**
Ballast	**D10CC55UNVTC**
Ballast Factor	**1.00**
Lamp	**LED**
Fixture Lumens	**4958**
Watts	**43.50**
Shielding Angle	**0° = 90 90° = 90**
Spacing Criterion	**0° = 1.19 90° = 1.27**
Luminous Opening in Feet	**Length: 3.88** **Width: 0.83** **Height: 0.00**

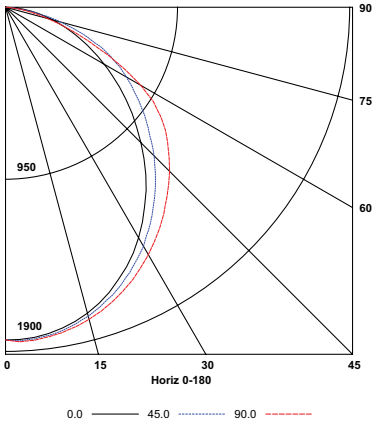
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1416	28.6	28.6
0-40	2296	46.3	46.3
0-60	3995	80.6	80.6
0-90	4958	100.0	100.0
0-180	4958	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	**100.0%**
Total Lumens per Watt	**114**
ANSI/IESNA RP-1-2004 COMPLIANCE	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$2.12 based on 3000 hrs. and $0.08 per KWH**

INDOOR CANDELA PLOT



Test **14.00548** Test Date **10/19/2014**

LUMINAIRE DATA

Luminaire	**LEPC14-40HLG-LL-EDU** **LEPC Epoc LED Full Distribution, Recessed Architectural** **1 x 4 LED with frosted linear prismed lenses**
Ballast	**D10CC55UNVTC**
Ballast Factor	**1.00**
Lamp	**LED**
Fixture Lumens	**5452**
Watts	**48.50**
Shielding Angle	**0° = 90 90° = 90**
Spacing Criterion	**0° = 1.19 90° = 1.27**
Luminous Opening in Feet	**Length: 3.88** **Width: 0.83** **Height: 0.00**

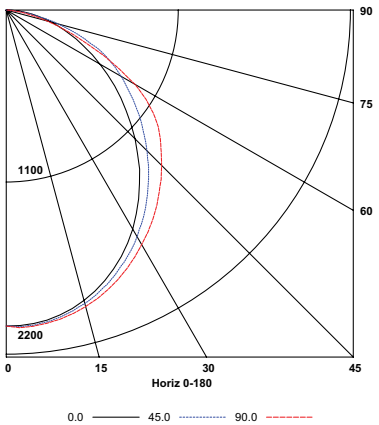
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1557	28.6	28.6
0-40	2525	46.3	46.3
0-60	4393	80.6	80.6
0-90	5452	100.0	100.0
0-180	5452	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	**100.0%**
Total Lumens per Watt	**112**
ANSI/IESNA RP-1-2004 COMPLIANCE	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$2.11 based on 3000 hrs. and $0.08 per KWH**

INDOOR CANDELA PLOT



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HUBBELL Lighting

PHOTOMETRIC DATA

Test **14.00547** Test Date **10/19/2014**

LUMINAIRE DATA

Luminaire	**LEPC14-40VLG-LL-EDU** **LEPC Epoc LED Full Distribution, Recessed Architectural** **1 x 4 LED with frosted linear prismed lenses**
Ballast	**D10CC55UNVTC**
Ballast Factor	**1.00**
Lamp	**LED**
Fixture Lumens	**6744**
Watts	**62.30**
Shielding Angle	**0° = 90 90° = 90**
Spacing Criterion	**0° = 1.19 90° = 1.27**
Luminous Opening in Feet	**Length: 3.88** **Width: 0.83** **Height: 0.00**

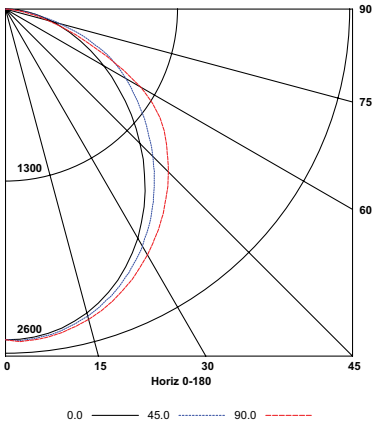
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1925	28.5	28.5
0-40	3122	46.3	46.3
0-60	5433	80.6	80.6
0-90	6744	100.0	100.0
0-180	6744	100.0	100.0

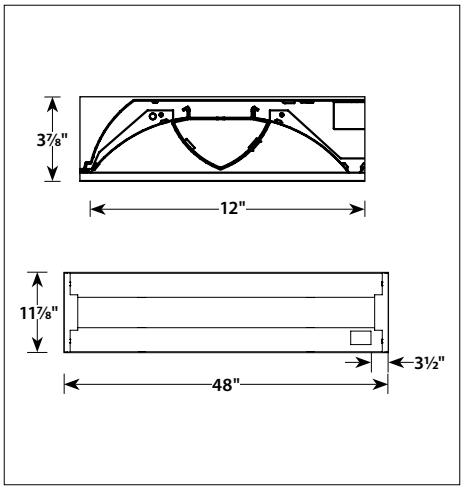
ENERGY DATA

Total Luminaire Efficiency	**100.0%**
Total Lumens per Watt	**108**
ANSI/IESNA RP-1-2004 COMPLIANCE	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$2.20 based on 3000 hrs. and $0.08 per KWH**

INDOOR CANDELA PLOT

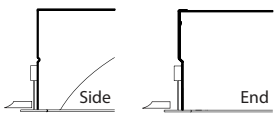


DIMENSIONAL DATA - GRID



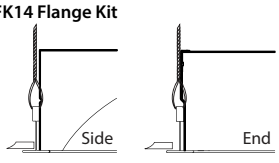
CEILING COMPATIBILITY

Type G



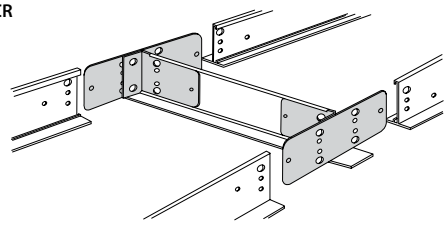
For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.

FK14 Flange Kit



For hard ceiling applications, order FK14 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

FKCR

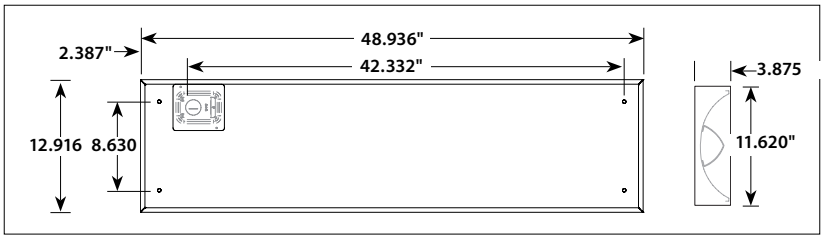


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK14 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK14 & (1) FKCR)

Row cut out dimensions using FK14s & FKCR adapters:
Width 12⅜", Length [48" × (# in row)] + ⅜".
Example: (48" × 2) + ⅜" = 96⅜"

Flange kit cut out dimension for single unit only: 12⅜" × 48⅜"

DIMENSIONAL DATA - SURFACE MOUNT



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

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